



Aviation Communication & Surveillance Systems
19810 North 7th Ave
Phoenix, AZ 85027-4400
(623) 445-7000 Fax: (623) 445-7001

28 April 2011

Federal Aviation Administration
Spectrum Engineering Division
AES-500
800 Independence Avenue, S.W.
Washington, D.C. 20591

Subject: Notification of Intent to File for FCC Certification for ACSS T³CAS part number 9005000-10000 Traffic Collision Avoidance System (TCAS)

To Whom It May Concern:

In accordance with FCC Rules and Regulations Part 87, Paragraph 87.147(d3), notification is hereby given from ACSS to file for FCC Certification for the ACSS T³CAS part number 9005000-10000.

The T³CAS 9005000-10000 has FAA TSO Authorization for the following TSOs:

- C119c - Traffic Alert and Collision Avoidance System Airborne Equipment
- C112 - Air Traffic Control Radar Beacon System/Mode Select Airborne Equipment
- C166a - Extended Squitter Automatic Dependent Surveillance–Broadcast (ADS-B) and Traffic Information Service – Broadcast (TIS-B) Equipment Operating on the Radio Frequency of 1090 Megahertz
- C151b - Terrain Awareness and Warning System

Documentation to support this Notification is included in the attached CD, labeled 'ACSS T³CAS FCC Documentation', and is as listed in ATTACHMENT A.

If you have any questions or concerns, please contact me by one of the methods below.

Sincerely,

A handwritten signature in black ink, appearing to read 'Philip D. Heinicke', is written over a horizontal line.

Philip D. Heinicke
Technical Staff Engineer
FAA DER

phone: 623 445-6665
cell: 602 327-9291
FAX: 623 445-7004

e-mail: phil.heinicke@L-3com.com

ATTACHMENT A

Included Support Documentation

1. FCC Compliance Report for T³CAS, ACSS Drawing 8007540-001, Rev -.
 - Test Report Data
 - Functions of Semiconductors
 - Circuit Descriptions
 - Equipment Photographs
2. ACSS Acceptance Test Procedures for T³CAS, ACSS Drawing No. 8007548-001 Rev V.
3. ACSS T³CAS Test Requirements Document, ACSS Drawing No. 8007547-001, Rev F.
4. T³CAS End Item Assembly Drawing, ACSS Drawing No. 9005000-10000, Rev C.
5. T³CAS Assembly 6MCU Drawing, ACSS Drawing No. 9005000-10, Rev G.
6. T³CAS Circuit Card Assembly - A1 T³CAS Interconnect CCA, ACSS Drawing No. 9005010-001, Rev D.
7. T³CAS Circuit Card Assembly - A2 T³CAS Processor CCA, ACSS Drawing No. 9005020-001, Rev G.
8. T³CAS Circuit Card Assembly - A3 T³CAS Power Supply, ACSS Drawing No. 9005030-001, Rev H.
9. T³CAS Circuit Card Assembly - A4 T³CAS Transmitter CCA, ACSS Drawing No. 9005040-001, Rev J.
10. T³CAS Circuit Card Assembly - A5 T³CAS Receiver CCA, Drawing No. 9005050-003, Rev C.
11. Outline and Installation of T³CAS 6MCU 28V AC/DC, ACSS Drawing No. 9005001-003, Rev B.
12. T³CAS Integrated Platform System Description and Installation Manual, Pub. No. 8600200-001, Rev -.
13. Labels for T³CAS, ACSS Drawing No. 9005009 Rev C.
14. Copy of FAA TSO Authorization, dated JUN 30 2010

Cc: Pete Arenson (email)
Max Berghammer (email)
Pete Bobrowitz (email)
Jimbo Brown (email)
Mark Christianson (email)
Tom Cook (email)
Linda Darnell (email)
Bruce Dodge (email)
Jim Farrell (email)
Andrew Gibbons (email)
Matt Hilton (email)
Nick Ickes (email)
Paula Magno (email)
Elaine McCall (email)
John Michaylo (email)
Paul Milanovich (email)
Cam Morast (email)
Dennis Porter (email)
Jeff Quackenbush (email)
Jim Redmond (email)
Larry Richard (email)
Stacey Rowlan (email)
Ron Scott (email)
Dave Seidell (email)
John Soukup (email)
Tim Trank (email)

File: T³CAS Notice of Intent to file for FCC certification / FAA